



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
RAMA AKELLA
JOHN P. RANIERI

Serial No.: 10/027,669

Filed: December 21, 2001

For: POVIDONE-CONTAINING CARRIERS
FOR POLYPEPTIDE GROWTH
FACTORS

Group Art Unit: 1654

Examiner: Jeffrey E. Russel

Atty. Dkt. No.: 2103.000600/SBI-111

Customer No.: 45488

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

February 25, 2005
Date


Mark D. Moore

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

A fee as set forth in 37 C.F.R. § 1.17(p) in the amount of \$180.00 is enclosed herewith. If an appropriate check has not been enclosed, or if it is insufficient, the Director is hereby authorized to deduct said fee from Williams, Morgan & Amerson, P.C., Deposit Account No. 50-0786/2103.000600.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

WILLIAMS, MORGAN & AMERSON
CUSTOMER NO. 45488

Date: February 25, 2005



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AGENT FOR APPLICANTS

Form PTO-1449 (modified)		Atty. Docket No. 2103.000600/SBI-111	Serial No. 10/027,669
List of Patents and Publications for Applicant's FEB 28 2005 INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Rama Akella and John P. Ranieri	
		Filing Date: December 21, 2001	Group: 1654
U.S. Patent Documents See Pages 1-2		Foreign Patent Documents See Pages 2-3	Other Art See Pages 3-4

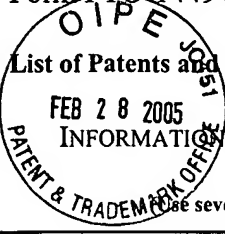
U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A9	2003/0104977	06-2003	Ripamonti <i>et al.</i>	514	2	03-31-2000
	A10	6,498,142 B1	12-2002	Sampath <i>et al.</i>	514	12	05-06-1996
	A11	6,468,960 B1	10-2002	Lukanidin <i>et al.</i>	514	2	12-21-2001
	A12	6,177,406	01-2001	Wang <i>et al.</i>	514	12	09-05-1997
	A13	6,150,328	11-2000	Wang <i>et al.</i>	514	12	06-14-1991
	A14	6,124,273	09-2000	Drohan <i>et al.</i>	514	55	10-13-1997
	A15	6,051,648	04-2000	Rhee <i>et al.</i>	525	54.1	01-13-1999
	A16	5,972,884	10-1999	Cohen <i>et al.</i>	514	12	
	A17	5,965,403	10-1999	Celeste <i>et al.</i>	435	69.4	
	A18	5,932,216	08-1999	Celeste <i>et al.</i>	424	158.1	
	A19	5,928,940	07-1999	Sampath <i>et al.</i>	435	325	
	A20	5,866,364	02-1999	Israel <i>et al.</i>	435	69.1	
	A21	5,854,207	12-1998	Lee <i>et al.</i>	514	2	
	A22	5,849,880	12-1998	Wozney <i>et al.</i>	530	399	
	A23	5,846,770	12-1998	LaVallie <i>et al.</i>	435	69.1	
	A24	5,705,477	01-1998	Sporn <i>et al.</i>	514	2	
	A25	5,703,043	12-1997	Celeste <i>et al.</i>	514	12	
	A26	5,677,276	10-1997	Dickerson <i>et al.</i>	514	8	
	A27	5,661,007	08-1997	Wozney <i>et al.</i>	435	69.4	
	A28	5,656,587	10-1997	Sporn <i>et al.</i>	514	2	
	A29	5,637,480	06-1997	Celeste <i>et al.</i>	435	69.4	
	A30	5,635,372	06-1997	Celeste <i>et al.</i>	435	69.1	

EXAMINER:

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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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U.S. Patent Documents

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	A31	5,631,142	05-1997	Wang <i>et al.</i>	435	69.1	
	A32	5,616,490	04-1997	Sullivan <i>et al.</i>	435	366	
	A33	5,595,722	01-1997	Grainger <i>et al.</i>	424	9.2	
	A34	5,543,394	08-1996	Wozney <i>et al.</i>	514	12	
	A35	5,470,831	11-1995	Whitman <i>et al.</i>	514	16	
	A36	5,459,047	10-1995	Wozney <i>et al.</i>	435	69.1	
	A37	5,328,695	07-1994	Lucas <i>et al.</i>	424	426	
	A38	5,318,957	06-1994	Cid <i>et al.</i>	514	8	
	A39	5,219,576	06-1993	Chu <i>et al.</i>	424	484	
	A40	5,187,076	02-1993	Wozney <i>et al.</i>	435	69.1	
	A41	5,141,905	08-1992	Rosen <i>et al.</i>	435	69.1	
	A425	5,116,738	05-1992	Wang <i>et al.</i>	435	69.1	
	A43	4,950,483	08-1990	Ksander <i>et al.</i>	424	422	
	A44	4,900,673	02-1990	Harper <i>et al.</i>	435	199	
	A45	4,895,838	01-1990	McCluer <i>et al.</i>	514	54	
	A46	4,699,788	10-1987	Catsimpoolis <i>et al.</i>	424	104	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B10	EP 0433225 B1	06-1991	Europe	C07K	14/495	Yes
	B11	EP 0747066 B1	12-1996	Europe	A61L	24/10	Yes
	B12	WO 97/41880	11-1997	PCT	A61K	38/18	Yes

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B13	WO 99/02674	01-1999	PCT	C12N	15/11	Yes
	B14	WO 99/31136	06-1999	PCT	C07K	14/51	Yes
	B15	WO 99/57146	11-1999	PCT	C07K	14/51	Yes
	B16	WO 02/00244	01-2002	PCT	A61K	38/00	Yes
	B17	WO 02/47713	06-2002	PCT	A61K	38/00	Yes

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C11	Cuevas <i>et al.</i> , "Fibroblast Growth Factor Protects the Kidney Against Ischemia-Reperfusion Injury," <i>Eur. J. Med. Res.</i> , 4:403-10, 1999.
	C12	Folkman, "Angiogenic Therapy of the Human Heart," <i>Circulation</i> , 97:628-29, 1998.
	C13	Freed <i>et al.</i> , "Neocartilage formation in vitro and in vivo using cells cultured on synthetic biodegradable polymers," <i>J. Biomed. Mater. Res.</i> , 27:11-23, 1993.
	C14	Freedman and Isner, "Therapeutic Angiogenesis for Ischemic Cardiovascular Disease," <i>J. Molecular and Cellular Cardiology</i> , 33:379-93, 2001.
	C15	Hammerman, "Growth Factors in Renal Development," <i>Seminars in Nephrology</i> , 15:291-99, 1995.
	C16	Hirschberg <i>et al.</i> , "Multicenter clinical trial of recombinant human insulin-like growth factor I in patients with acute renal failure," <i>Kidney International</i> , 55:2423-32, 1999.
	C17	Kawa-uchi <i>et al.</i> , "Fibroblast growth factor enhances expression of TGFβ-stimulated-clone-22 gene in osteoblast-like cells," <i>Endocrine</i> , 3:833-37, 1995.
	C18	Nakaoka <i>et al.</i> , "Inhibition of Rat Vascular Smooth Muscle Proliferation <i>In Vitro</i> and <i>In Vivo</i> by Bone Morphogenetic Protein-2," <i>J. Clin. Invest.</i> , 100:2824-32, 1997.
	C19	Nishida <i>et al.</i> , "Adenovirus-Mediated Gene Transfer to Nucleus Pulposus Cells," <i>Spine</i> , 23:2437-42, 1998.

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See Pages 2-3

Other Art

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C20	Parsons-Wingerter <i>et al.</i> , "A novel assay of angiogenesis in the quail chorioallantoic membrane: stimulation by bFGF and inhibition by angiostatin according to fractal dimension and grid intersection," <i>Microvasc. Res.</i> , 55:201-14, 1998.
	C21	Ramoshebi and Ripamonti, "Osteogenic protein-1, a bone morphogenetic protein, induces angiogenesis in the chick chorioallantoic membrane and synergizes with basic fibroblast growth factor and transforming growth factor-beta1," <i>Anat. Rec.</i> , 259:97-107, 2000.
	C22	Schumacher <i>et al.</i> , "Induction of Neoangiogenesis in Ischemic Myocardium by Human Growth Factors," <i>Circulation</i> , 97:645-50, 1998.
	C23	Stelnicki <i>et al.</i> , "Bone Morphogenetic Protein-2 Induces Scar Formation and Skin Maturation in the Second Trimester Fetus," <i>Plastic and Reconstructive Surgery</i> , 101:12-19, 1998.
	C24	Vukicevic <i>et al.</i> , "Osteogenic Protein-1 (Bone Morphogenetic Protein-7) Reduces Severity of Injury After Ischemic Acute Renal Failure in Rat," <i>J. Clin. Invest.</i> , 102:202-14, 1998.
	C25	Yamashita <i>et al.</i> , "Growth/Differentiation Factor-5 Induces Angiogenesis <i>In Vivo</i> ," <i>Exper. Cell Res.</i> , 235:218-26, 1997.

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